

Abstract of the Disclosure

A gamma signal supplying apparatus includes a timing controller for storing predetermined gamma values as digital values, and for transmitting one of the digital values serially. The gamma supplying apparatus may further include a gamma digital-to-analog controller (DAC) for receiving the serial digital gamma value, and for converting the serial digital gamma value into a first analog gamma value, and a plurality of column drive units, each of the plurality of column drive units for generating a second analog gamma value, for comparing the second analog gamma value to the first analog gamma value, and for outputting a gray level value based on the second analog gamma value if both values are substantially identical.